

CLAIMS

1. Crown protection device for a wristwatch (1) including a movement (3) including at least, at the end of a winding stem (6), a crown (5) able to be concealed by a cover (7) provided in an external casing, formed in particular by a middle part (9), closed on the dial side (11) by a crystal (12) surrounded by a bezel (13), by a
5 back cover (15) and by horns (17, 17a) for attaching wristband strands (20), characterized in that the cover (7) is independent of the bezel (13) and in that the movement (13) and the external casing, or an element (21, 22) integrated in the latter, can be manipulated in relative rotation in the plane of the watch between a position in which the crown (5) is concealed by the cover (7) and a position in which it
10 is revealed.

2. Crown protection device according to claim 1, characterized in that the cover (7) is secured to a manoeuvring ring (21) slide friction mounted in an annular groove (29) provided in the middle part (9) on the back cover (15) side, in that the horns (17, 17a) are integral with the middle part (9) and in that said manoeuvring ring
15 is held in place by a base (15, 26) provided with lugs (16) screwed into the horns (17, 17a).

3. Crown protection device according to claim 2, characterized in that the base is formed by a washer (26) abutting on the edges of the annular groove (29).

4. Crown protection device according to claim 2, characterized in that the
20 base is formed by an extension of the back cover (15) underneath the annular groove (29).

5. Crown protection device according to claim 2, characterized in that the ring (21) carrying the cover (7) is provided with notches (23) extending beyond the middle part (9) to facilitate manipulation of said ring (21).

25 6. Crown protection device according to claim 2, characterized in that the ring (21) includes a thinned part (22) opposite the winding stem (6).

7. Crown protection device according to claim 2, characterized in that the cover (7) is formed by a contour (8a) forming a lateral protection.

30 8. Crown protection device according to claim 7, characterized in that the cover (7) also includes a top part (8b) for totally concealing the crown (5) in the closed position.

9. Crown protection device according to claim 2, characterized in that it further includes at least one click (28) inserted between the top part of the middle part (9) and the ring (21) for holding the cover (7) in a determined position.

10. Crown protection device according to claim 2, characterized in that the crown (5) is positioned at 4 o'clock and in that the cover (7) is stopped or abuts against a horn (17a).

11. Crown protection device according to claim 1, characterized in that the
5 wristwatch (1) is formed of two parts, a first part including a case (4) closed by a crystal (12) and housing the movement (3), the winding stem (6) passing through the flank (14) of said case (4) with a crown (5) at the end of said stem, and a second part formed by a support (10) in a single piece formed by a back cover (15) and horns (17, 17a), one (17a) of which is shaped to form a cover (7) for the crown (5) when the
10 case (14) is pivoted in the support (10).

12. Crown protection device according to claim 11, characterized in that the cover (7) is formed by an extension (18a) of a horn (17) leaving one part of the crown (5) visible in the closed position.

13. Crown protection device according to claim 11, characterized in that the
15 cover (7) is formed by a recess (18b) in one horn (17a) for completely concealing the crown (5) in the closed position.

14. Crown protection device according to claim 11, characterized in that the flank (14) of the case (4) is provided with notches (24) facilitating manipulation of said case (4).

20 15. Crown protection device according to claim 11, characterized in that the bezel (13) of the case (4) is provided with notches (24) facilitating manipulation of said case.